

APPARATUS AND METHOD FOR RESTORING WORKING CONTEXT

Abstract of the Disclosure

5 Provided are an apparatus and method of transmitting working context, which
can minimize power consumption in a power-off standby mode of a portable apparatus
including a system on a chip, where the method includes selecting a power-off standby
mode, transmitting working context with respect to a hardware module, which is
mounted on a semiconductor chip, to a predetermined memory, and storing the working
context in the predetermined memory, transmitting the working context stored in the
10 memory to a non-volatile memory outside the semiconductor chip, and storing the
working context in the non-volatile memory, and executing the power-off standby mode;
where the method may further include releasing the power-off standby mode, restoring
the working context with respect to the hardware module, which is stored in the
non-volatile memory, to the predetermined memory, and recovering the at least one
15 hardware module to a state existing immediately before the power-off standby mode
was executed by using the working context restored to the memory from the non-volatile
memory.

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